

IN THE CLAIMS

Please amend the claims as follows:

Claim 1. (Currently Amended): A screw compressor comprising:

screw rotors;

suction-side rotor shafts of said screw rotors;

a suction-side bearing casing, said suction-side bearing casing covering said suction-side rotor shafts;

a suction-side angular ball bearing, said suction-side angular ball bearing rotatably supporting said suction-side rotor shafts and being held so as to be movable in a thrust direction within said suction-side bearing casing, wherein there is no roller bearing at said suction side rotor shafts;

discharge-side rotor shafts of said screw rotors;

a discharge-side bearing casing, said discharge-side bearing casing covering said discharge-side rotor shafts; and

a discharge-side angular ball bearing, said discharge-side angular ball bearing rotatably supporting said discharge-side rotor shafts and being held immovably within said discharge-side bearing casing.

Claim 2. (Original): The screw compressor according to claim 1, further comprising:

a presser member fixed to an end face of said suction-side bearing casing; and

a spring member,

wherein an annular gap is formed between said suction-side bearing casing and said suction-side angular ball bearing, and an outermost end face of an outer ring of said suction-side angular ball bearing is pressed through said spring member by means of said presser member.

Claim 3. (Original): The screw compressor according to claim 1, wherein a lubricative coating is applied to an inner periphery surface of said suction-side bearing casing.

Claim 4. (Currently Amended): A compressor comprising:
at least one rotor provided on a rotor shaft rotatably mounted in a casing, whereby rotation of said rotor compresses a fluid in passage of the fluid from a suction side of said rotor shaft to a discharge side of said rotor shaft;
a suction-side rotor bearing comprising at least one angular ball bearing rotatably supporting said at least one rotor shaft at said suction side and being movable in a thrust direction, wherein there is no roller bearing at said suction side rotor shafts; and
a discharge-side rotor bearing comprising at least one angular ball bearing rotatably supporting said at least one rotor shaft at said discharge side and being held immovably in the thrust direction.

Claim 5. (Previously Presented): The compressor according to Claim 4, further comprising means for lubricating at least one of said bearings using said fluid.

Claim 6. (Previously Presented): The compressor according to Claim 4, further comprising means for pressing the suction-side rotor bearing in the thrust direction.

Claim 7. (Currently Amended): A compressor comprising:

means including at least one rotatably mounted rotor shaft for compressing a fluid in passage of the fluid from a suction side of said rotor shaft to a discharge side of said rotor shaft;

a suction-side rotor bearing comprising at least one angular ball bearing rotatably supporting said at least one rotor shaft at said suction side and being movable in a thrust direction, wherein there is no roller bearing at said suction side; and

a discharge-side rotor bearing comprising at least one angular ball bearing rotatably supporting said at least one rotor shaft at said discharge side and being held immovably in the thrust direction.

Claim 8. (Previously Presented): The compressor according to Claim 7, further comprising means for lubricating at least one of said bearings using said fluid.

Claim 9. (Previously Presented): The compressor according to Claim 7, further comprising means for pressing the suction-side rotor bearing in the thrust direction.